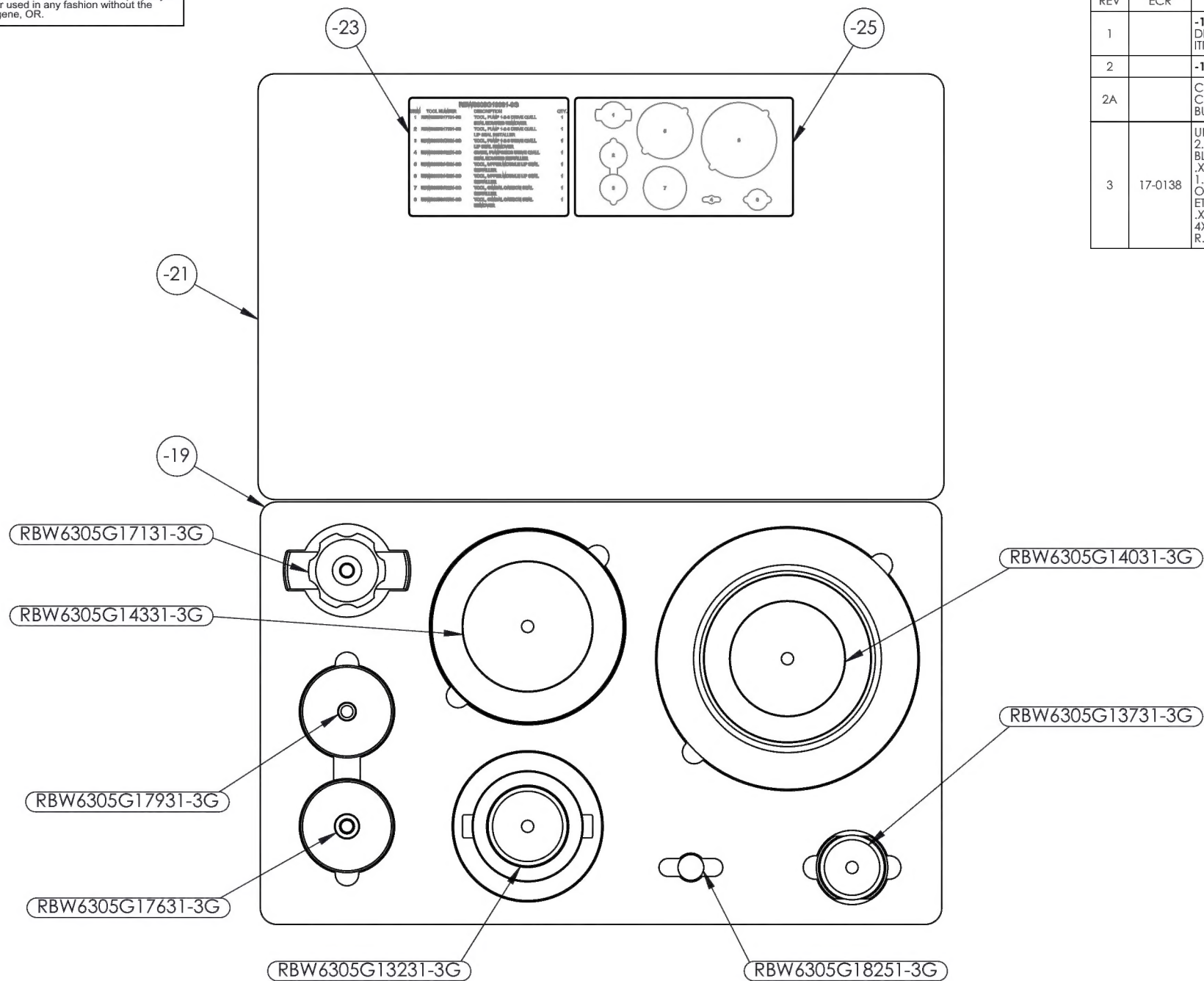


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-19 CH'D FOAM DIMENSIONS, ADDED FINGER HOLES Ø3.164 CUTOUT PER R.W. CH'D -21 FOAM DIMENSIONS, CH'D CUTOUT TO RECESS FOR -23 & -25 PER R.W. ADDED MISSING TOOL NUMBER & ITEM NUMBERS TO -23 PER RW.	3/29/2011	RJC	RW
2		-19 CH'D FOAM CUTOUT DEPTH DIMENSIONS SO TOOLS ARE SUB-FLUSH.	2/6/2013	BIM	SE
2A		CH'D TITLE WAS MAIN ROTOR DRIVE SEAL REPLACEMENT TOOL KIT IS MAIN ROTOR DRIVE TOOL KIT 1, CH'D BOM DESCRIPTIONS -1 THRU -15 TO MATCH PARTS MANUAL. -23 CH'D DESCRIPTIONS, WAS BUYOUT IS MANUFACTURED. CH'D -25 WAS B/O IS MANUFACTURED.	10/30/2013	CFS	RJC
3	17-0138	UPDATED TO NEW DRAFTING STANDRD. -1 THRU -15 DELETED DASH NUMBERS. -19 CH'D DIM'S WAS 2.80 IS 3.00, WAS 50° IS 45°. ADDED DIM 2.00. DELETED DIM'S 1.40, 10°. CH'D B/O INFO WAS Y20 BLACK I.R. SPECILATY IS ETHAFOAM 220 BLACK CASE SOLUTIONS. CH'D TOLERANCE WAS .XXX ±.005 .XX ±.01 IS .XXX ±.010 XX ±.03. -21 CH'D DIMS WAS 29.12 IS 29.19, WAS 18.09 IS 18.10, WAS 1.80 IS 1.77, WAS 7.06 IS 2X 7.13, ADDED DIMS 4X 45° 2X 1.00, 2X 2.75, 1.37, 6X R.16. SIMPLIFIED CUTOUT ON BACK OF FOAM. DELETED DIM 4X 2°. CH'D B/O INFO WAS C200 FLAT BLACK I.R. SPECILATY IS ETHAFOAM 220 BLACK CASE SOLUTIONS. -21, -23, -25 CH'D TOLERANCE WAS .XXX ±.005 .XX ±.01 IS .XXX ±.010 XX ±.03. -23, -25 ADDED USE PDF NOTE. -23 CH'D DIM WAS 5.50 IS 5.00, WAS R.37 (x4) IS 4X R.13, WAS 5.50 IS 5.00. DELETED TEXT ARIAL, 3/16 LETTERS (x4), ARIAL, 1/8 LETTERS. -25 CH'D DIM WAS R.37 (x4) IS 4X R.13, WAS 5.50 IS 5.00. DELETED TEXT ARIAL, 1/8 LETTERS.	6/13/2017	RJC	JAG

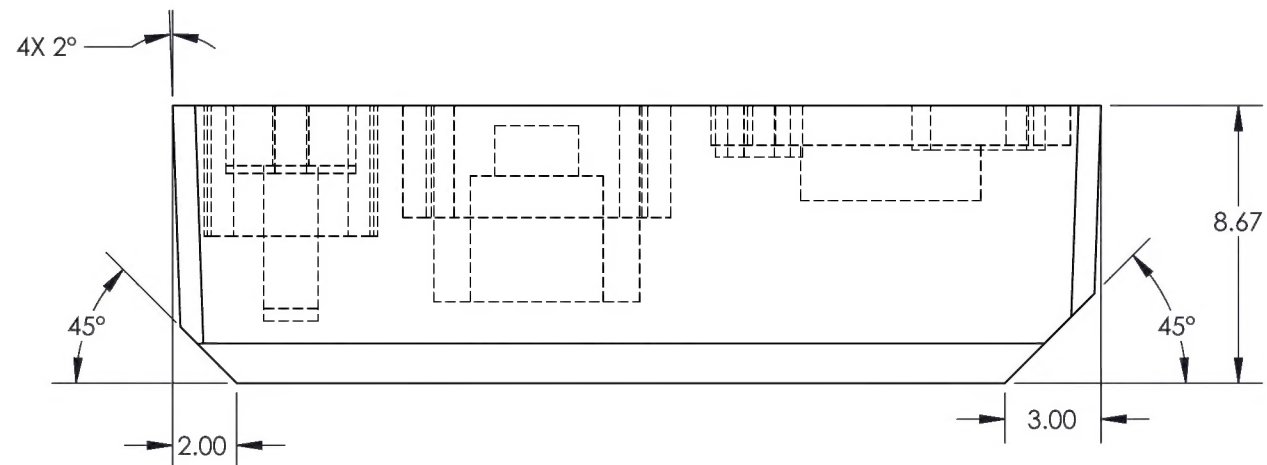
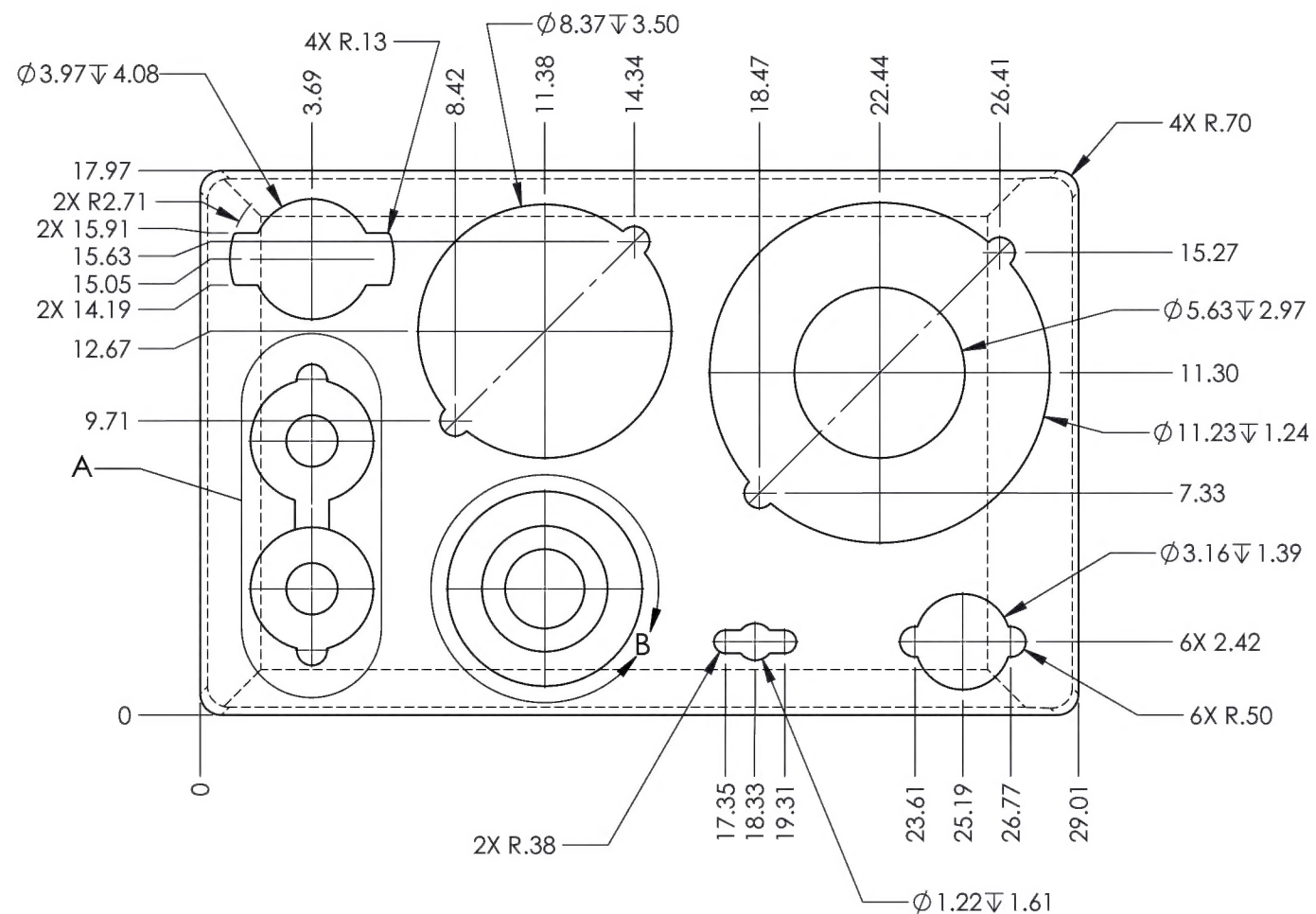
NOTE:
1. REFERENCE AGUSTA T/N 3G6305G19631.
2. ALSO SOLD WITH KIT RBW6305G01531-3G.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				1	TOOL, PUMP 1-2-3 DRIVE QUILL SEAL HOUSING REMOVAL		RBW6305G17131-3G	1
				1	TOOL, PUMP 1-2-3 DRIVE QUILL LIP SEAL INSTALLER		RBW6305G17931-3G	1
				1	TOOL, PUMP 1-2-3 DRIVE QUILL LIP SEAL REMOVER		RBW6305G17631-3G	1
				1	GUIDE, PUMPS/EC'S DRIVE QUILL SEAL HOUSING INSTALLER	6061	RBW6305G18251-3G	1
				1	TOOL, UPPER MODULE LIP SEAL INSTALLER		RBW6305G14331-3G	1
				1	TOOL, UPPER MODULE LIP SEAL INSTALLER		RBW6305G14031-3G	1
				1	TOOL, GIMBAL CARBON SEAL INSTALLER		RBW6305G13231-3G	1
				1	TOOL, GIMBAL CARBON SEAL REMOVER		RBW6305G13731-3G	1
		B/O	-17	1	CASE	PLASTIC	PELICAN CASE # APP-1650-E	N/S
		B/O	-19	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	8.71 X 17.97 X 29.12 (CASE SOLUTIONS)	2
		B/O	-21	1	TOP FOAM	ETHAFOAM 220, BLACK	1.77 X 18.10 X 29.19 (CASE SOLUTIONS)	3
			-23	1	INSIDE PLACARD	PLASTIC		4
			-25	1	TOOL LAYOUT PLACARD	PLASTIC		5
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S

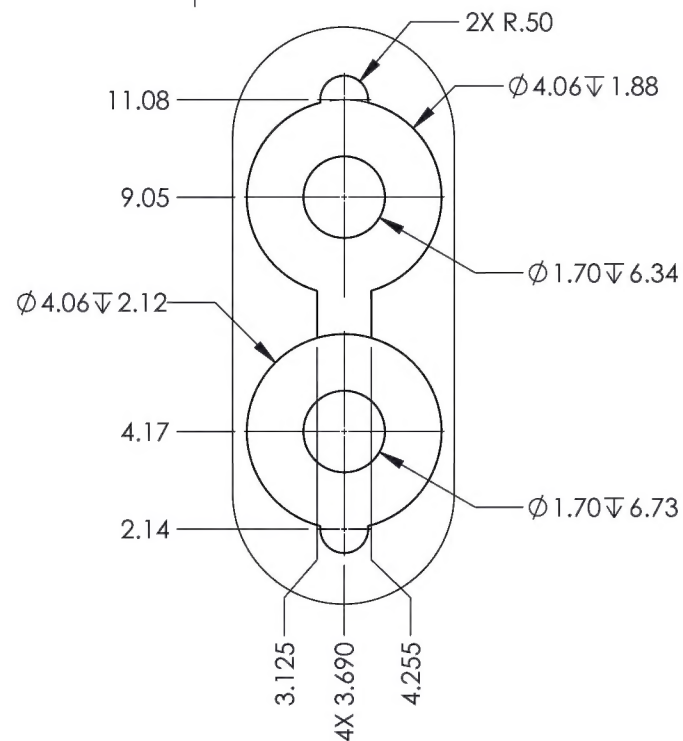
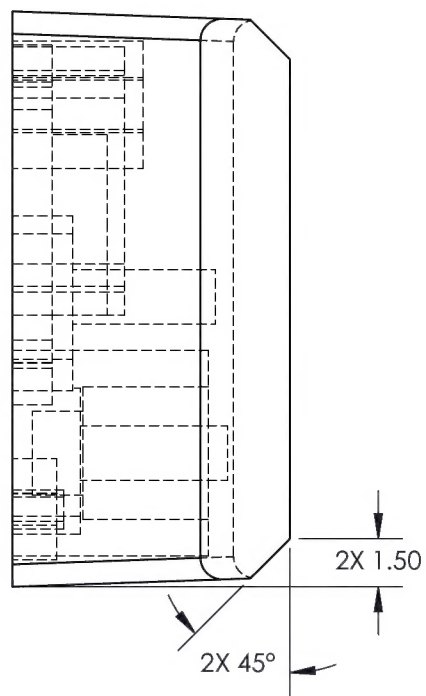
DART AEROSPACE			
TITLE MAIN ROTOR DRIVE TOOL KIT 1			
DWG NO. RBW6305G19631-3G			REV 3
MAT'L HEAT TREAT FINISH SPEC		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/✓	
DRAWN BY: CLOUGH		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DD 06/14/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: AA 06/14/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: JL 06/28/2017		USED ON MODEL	
APPROVED: JAG 07/07/2017		AW139	
SCALE 1:6	DATE 2/7/2011	SHEET 1 OF 5	

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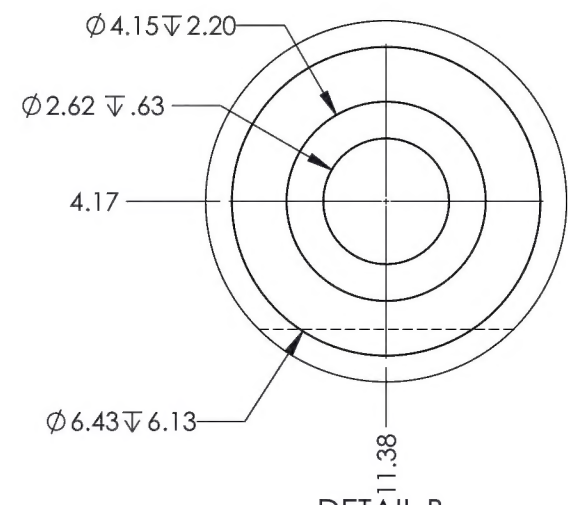
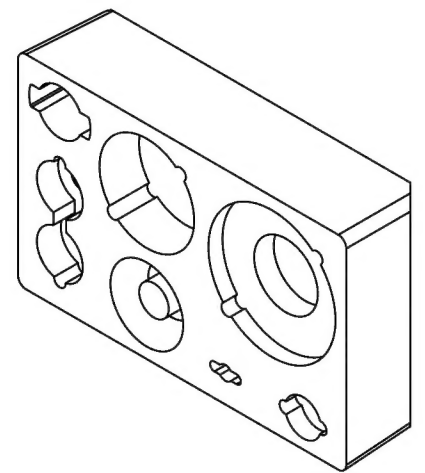
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-19 CH'D FOAM DIMENSIONS, ADDED FINGER HOLES Ø3.164 CUTOUT PER R.W.	3/29/2011	RJC	RW
2		-19 CH'D FOAM CUTOUT DEPTH DIMENSIONS SO TOOLS ARE SUB-FLUSH.	2/6/2013	BIM	SE
3	17-0138	-19 CH'D DIM'S WAS 2.80 IS 3.00, WAS 50° IS 45°, ADDED DIM 2.00, DELETED DIM'S 1.40, 10°. CH'D B/O INFO WAS Y20 BLACK I.R. SPECILATY IS ETHAFOAM 220 BLACK CASE SOLUTIONS. CH'D TOLERANCE WAS .XXX ±.005 .XX ±.01 IS .XXX ±.010 XX ±.03.	6/13/2017	RJC	JAG



(-19)
BOTTOM FOAM



DETAIL A
SCALE 1 : 4

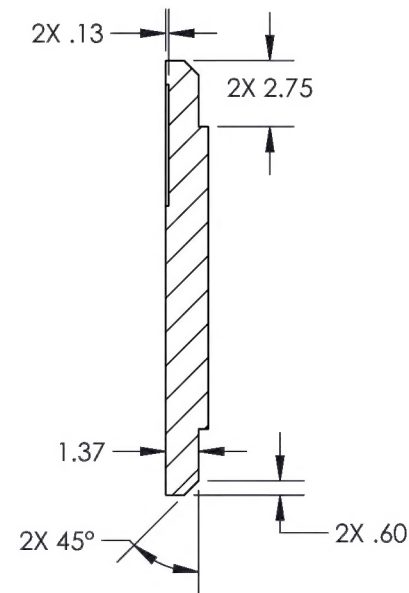
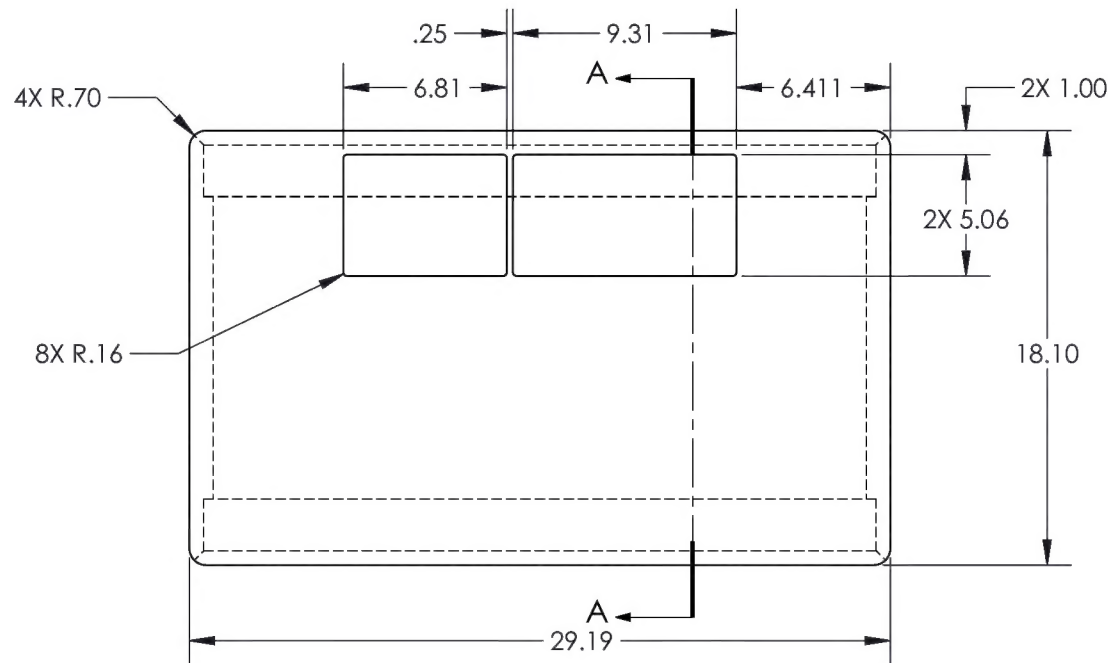


DETAIL B
SCALE 1 : 4

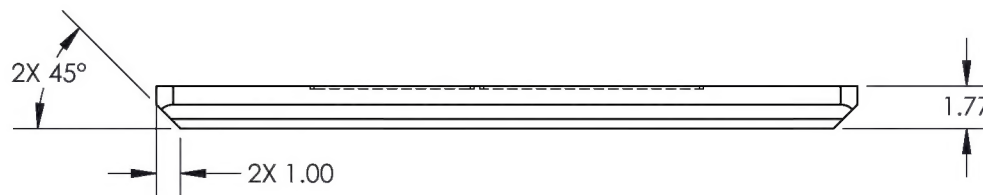
DART AEROSPACE			
TITLE MAIN ROTOR DRIVE TOOL KIT 1			
DWG NO. RBW6305G19631-3G-19			REV 3
MAT'L ETHAFOAM 220, BLACK		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT		.XXX ± .010 FRACTIONS ± 1/8	
FINISH		.XX ± .03 ANGLES ±1°	
SPEC		.X ± .1 SURFACES = 125✓	
DRAWN BY: RJC 06/13/2017		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DD 06/14/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: AA 06/14/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: JL 06/28/2017		USED ON MODEL	
APPROVED: JAG 07/07/2017		AW139	
SCALE 1:6		DATE 6/13/2017	SHEET 2 OF 5

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -21 FOAM DIMENSIONS, CH'D CUTOUT TO RECESS FOR -23 & -25 PER R.W.	3/29/2011	RJC	RW
3	17-0138	-21 CH'D DIM'S WAS 29.12 IS 29.19, WAS 18.09 IS 18.10, WAS 1.80 IS 1.77, WAS $\nabla .06$ IS $\nabla .13$. ADDED DIM'S 4X 45°, 2X 1.00, 2X 2.75, 1.37, 8X R.16, SIMPLIFIED CUTOUT ON BACK OF FOAM. DELETED DIM 4X 2°. CH'D B/O INFO WAS C200 FLAT BLACK I.R, SPECILATY IS ETHAFOAM 220 BLACK CASE SOLUTIONS, CH'D TOLERANCE WAS .XXX $\pm .005$.XX $\pm .01$ IS .XXX $\pm .010$ XX $\pm .03$.	6/13/2017	RJC	JAG



SECTION A-A



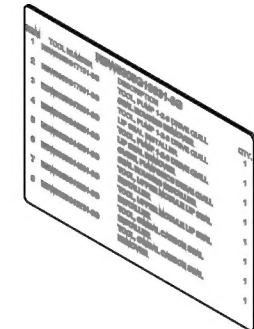
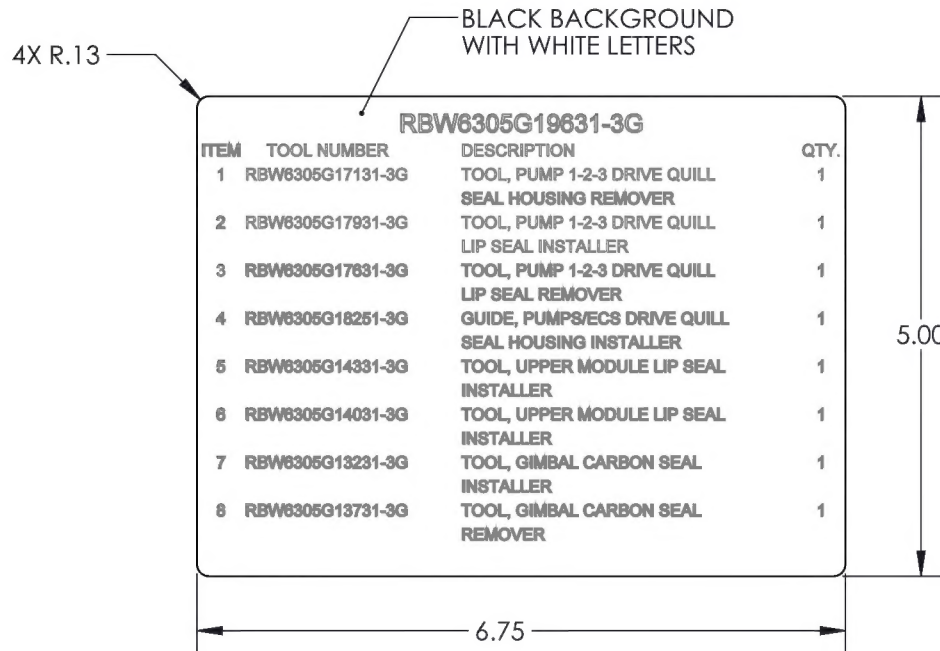
(-21)

TOP FOAM

DART AEROSPACE	
TITLE MAIN ROTOR DRIVE TOOL KIT 1	
DWG NO. RBW6305G19631-3G-21	REV 3
MAT'L ETHAFOAM 220, BLACK HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .010 FRACTIONS \pm 1/8 .XX \pm .03 ANGLES \pm 1° .X \pm .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: RJC 06/13/2017	USED ON MODEL AW139
CHECKED: DD 06/14/2017	APPROVED: JAG 07/07/2017
OPPS APPR: AA 06/14/2017	DATE 6/13/2017
QA APPR: JL 06/28/2017	SHEET 3 OF 5
SCALE 1:8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		ADDED MISSING TOOL NUMBER & ITEM NUMBERS TO -23 PER RW.	5/9/2011	RJC	RW
2A		-23 CH'D DESCRIPTIONS, WAS BUYOUT IS MANUFACTURED.	10/30/2013	CFS	RJC
3	17-0138	-23 CH'D DIM WAS 5.50 IS 5.00, WAS R.37 (x4) IS 4X R.13. CH'D TOLERANCE WAS .XXX ±.005 .XX ±.01 IS .XXX ±.010 XX ±.03. ADDED USE PDF NOTE. DELETED TEXT ARIAL, 3/16 LETTERS (x4), ARIAL, 1/8 LETTERS.	6/13/2017	RJC	JAG



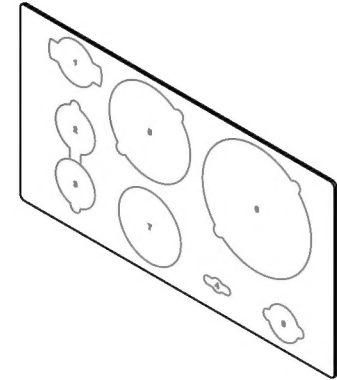
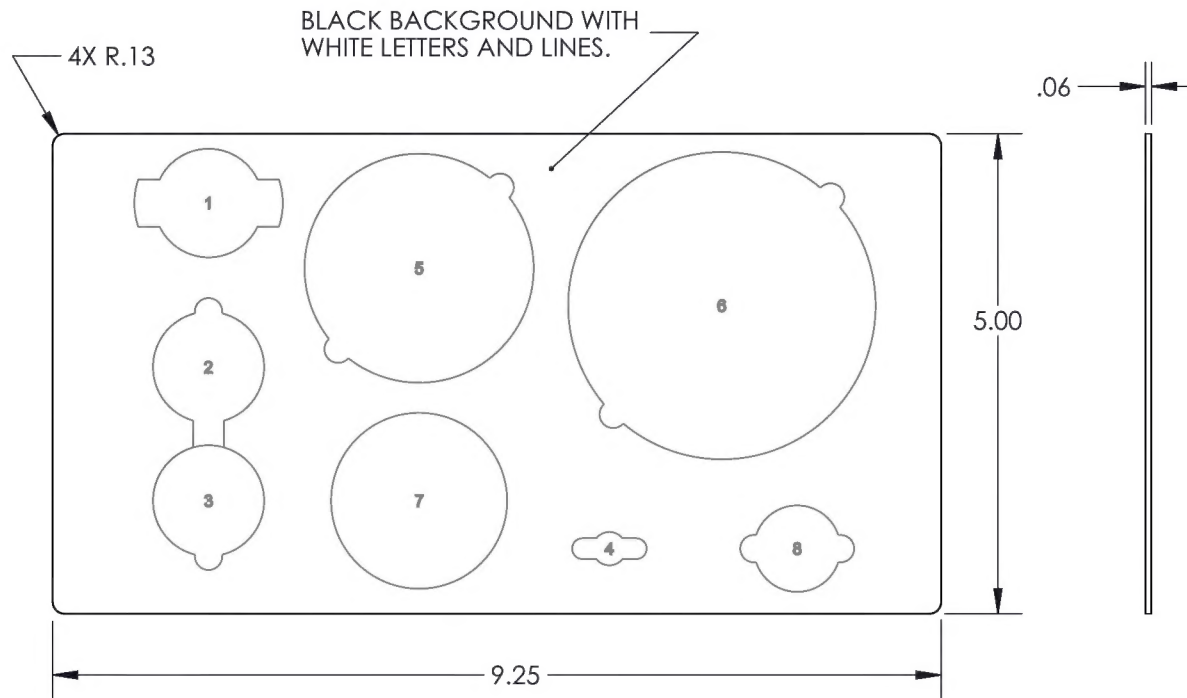
NOTE:
USE PDF.

(-23)
INSIDE PLACARD

DART AEROSPACE	
TITLE MAIN ROTOR DRIVE TOOL KIT 1	
DWG NO. RBW6305G19631-3G-23	REV 3
MAT'L PLASTIC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125/✓
DRAWN BY: RJC 06/13/2017	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 06/14/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 06/14/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 06/28/2017	USED ON MODEL AW139
APPROVED: JAG 07/07/2017	
SCALE 1:2	DATE 6/13/2017
SHEET 4 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2A		CH'D -25 WAS B/O IS MANUFACTURED.	10/30/2013	CFS	RJC
3	17-0138	-25 CH'D DIM WAS R.37 (x4) IS 4X R.13, WAS 5.50 IS 5.00. ADDED USE PDF NOTE. DELETED TEXT ARIAL, 1/8 LETTERS. CH'D TOLERANCE WAS .XXX ±.005 .XX ±.01 IS .XXX ±.010 XX ±.03.	6/13/2017	RJC	JAG



NOTE:
USE PDF.

(-25)

TOOL LAYOUT PLACARD

DART AEROSPACE	
TITLE MAIN ROTOR DRIVE TOOL KIT 1	
DWG NO. RBW6305G19631-3G-25	REV 3
MAT'L PLASTIC	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: RJC 06/13/2017	1. BREAK ALL SHARP EDGES
CHECKED: DD 06/14/2017	.015 x 45° OR .015R
OPPS APPR: AA 06/14/2017	2. DIMENSIONAL LIMITS APPLY
QA APPR: JL 06/28/2017	AFTER PLATING
APPROVED: JAG 07/07/2017	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	AW139
SCALE 1:2	DATE 6/13/2017
	SHEET 5 OF 5